

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/549,889

CRF Edit Date: 10/6/05
Edited by: [Signature]

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: 1 invalid beginning/end-of-file text ; 1 page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/549,889

DATE: 10/06/2005

TIME: 16:44:57

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10062005\J549889.raw

```

3 <110> APPLICANT: ITOH, Fumio
4     HINUMA, Shuji
5     KANZAKI, Naoyuki
6     BANNO, Yoshihiro
7     YOSHIDA, Hiromi
8     MATSUMOTO, Hirokazu
10 <120> TITLE OF INVENTION: RFRP Receptor Antagonist
12 <130> FILE REFERENCE: 3163USOP
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/549,889
C--> 15 <141> CURRENT FILING DATE: 2005-09-06
17 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/003496
18 <151> PRIOR FILING DATE: 2004-03-16
20 <150> PRIOR APPLICATION NUMBER: JP 2003-72709
21 <151> PRIOR FILING DATE: 2003-03-17
23 <160> NUMBER OF SEQ ID NOS: 3
25 <210> SEQ ID NO: 1
27 <211> LENGTH: 430
29 <212> TYPE: PRT
30 <213> ORGANISM: Human
W--> 31 <220> FEATURE:
33 <400> SEQUENCE: 1
34 Met Glu Gly Glu Pro Ser Gln Pro Pro Asn Ser Ser Trp Pro Leu Ser
35 1                    5                    10                    15
36 Gln Asn Gly Thr Asn Thr Glu Ala Thr Pro Ala Thr Asn Leu Thr Phe
37                20                25                30
38 Ser Ser Tyr Tyr Gln His Thr Ser Pro Val Ala Ala Met Phe Ile Val
39            35            40            45
40 Ala Tyr Ala Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
41    50            55            60
42 Cys Phe Ile Val Leu Lys Asn Arg His Met His Thr Val Thr Asn Met
43 65            70            75            80
44 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
45            85            90            95
46 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
47            100            105            110
48 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
49            115            120            125
50 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
51    130            135            140
52 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Val
53 145            150            155            160
54 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Leu Ile Met Cys Pro Ser
55            165            170            175

```

RAW SEQUENCE LISTING

DATE: 10/06/2005

PATENT APPLICATION: US/10/549,889

TIME: 16:44:57

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10062005\J549889.raw

```

56 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Val Asp
57          180          185          190
58 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
59          195          200          205
60 Glu Lys Gly Met Arg Arg Val Tyr Thr Thr Val Leu Phe Ser His Ile
61          210          215          220
62 Tyr Leu Ala Pro Leu Ala Leu Ile Val Val Met Tyr Ala Arg Ile Ala
63 225          230          235          240
64 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Pro Gly Gly Glu Glu Ala
65          245          250          255
66 Ala Asp Pro Arg Ala Ser Arg Arg Arg Ala Arg Val Val His Met Leu
67          260          265          270
68 Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu Trp Ala
69          275          280          285
70 Leu Leu Leu Leu Ile Asp Tyr Gly Gln Leu Ser Ala Pro Gln Leu His
71          290          295          300
72 Leu Val Thr Val Tyr Ala Phe Pro Phe Ala His Trp Leu Ala Phe Phe
73 305          310          315          320
74 Asn Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu Asn Phe
75          325          330          335
76 Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Arg Leu Cys Pro Arg Pro
77          340          345          350
78 Ser Gly Ser His Lys Glu Ala Tyr Ser Glu Arg Pro Gly Gly Leu Leu
79          355          360          365
80 His Arg Arg Val Phe Val Val Val Arg Pro Ser Asp Ser Gly Leu Pro
81          370          375          380
82 Ser Glu Ser Gly Pro Ser Ser Gly Ala Pro Arg Pro Gly Arg Leu Pro
83 385          390          395          400
84 Leu Arg Asn Gly Arg Val Ala His His Gly Leu Pro Arg Glu Gly Pro
85          405          410          415
86 Gly Cys Ser His Leu Pro Leu Thr Ile Pro Ala Trp Asp Ile
87          420          425          430
89 <210> SEQ ID NO: 2
91 <211> LENGTH: 432
93 <212> TYPE: PRT
94 <213> ORGANISM: Rat
96 <400> SEQUENCE: 2
97 Met Glu Ala Glu Pro Ser Gln Pro Pro Asn Gly Ser Trp Pro Leu Gly
98          5          10          15
99 Gln Asn Gly Ser Asp Val Glu Thr Ser Met Ala Thr Ser Leu Thr Phe
100          20          25          30
101 Ser Ser Tyr Tyr Gln His Ser Ser Pro Val Ala Ala Met Phe Ile Ala
102          35          40          45
103 Ala Tyr Val Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
104          50          55          60
105 Cys Phe Ile Val Leu Lys Asn Arg His Met Arg Thr Val Thr Asn Met
106 65          70          75          80
107 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
108          85          90          95

```

RAW SEQUENCE LISTING

DATE: 10/06/2005

PATENT APPLICATION: US/10/549,889

TIME: 16:44:57

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10062005\J549889.raw

```

109 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
110          100          105          110
111 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
112          115          120          125
113 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
114          130          135          140
115 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Phe
116 145          150          155          160
117 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Leu Ile Met Cys Pro Ser
118          165          170          175
119 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Leu Asp
120          180          185          190
121 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
122          195          200          205
123 Glu Lys Gly Met Arg Lys Val Tyr Thr Ala Val Leu Phe Ala His Ile
124          210          215          220
125 Tyr Leu Val Pro Leu Ala Leu Ile Val Val Met Tyr Val Arg Ile Ala
126 225          230          235          240
127 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Arg Asp Thr Glu Glu Ala
128          245          250          255
129 Val Ala Glu Gly Gly Arg Thr Ser Arg Arg Ala Arg Val Val His
130          260          265          270
131 Met Leu Val Met Val Ala Leu Phe Thr Leu Ser Trp Leu Pro Leu
132          275          280          285
133 Trp Val Leu Leu Leu Leu Ile Asp Tyr Gly Glu Leu Ser Glu Leu Gln
134          290          295          300
135 Leu His Leu Leu Ser Val Tyr Ala Phe Pro Leu Ala His Trp Leu Ala
136 305          310          315          320
137 Phe Phe His Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu
138          325          330          335
139 Asn Phe Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Gln Leu Cys Trp
140          340          345          350
141 Pro Pro Trp Ala Ala His Lys Gln Ala Tyr Ser Glu Arg Pro Asn Arg
142          355          360          365
143 Leu Leu Arg Arg Arg Val Val Val Asp Val Gln Pro Ser Asp Ser Gly
144          370          375          380
145 Leu Pro Ser Glu Ser Gly Pro Ser Ser Gly Val Pro Gly Pro Gly Arg
146 385          390          395          400
147 Leu Pro Leu Arg Asn Gly Arg Val Ala His Gln Asp Gly Pro Gly Glu
148          405          410          415
149 Gly Pro Gly Cys Asn His Met Pro Leu Thr Ile Pro Ala Trp Asn Ile
150          420          425          430
152 <210> SEQ ID NO: 3
154 <211> LENGTH: 180
156 <212> TYPE: PRT
157 <213> ORGANISM: Human
159 <400> SEQUENCE: 3
160 Met Glu Ile Ile Ser Ser Lys Leu Phe Ile Leu Leu Thr Leu Ala Thr
161 1          5          10          15

```

RAW SEQUENCE LISTING

DATE: 10/06/2005

PATENT APPLICATION: US/10/549,889

TIME: 16:44:57

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10062005\J549889.raw

```

162 Ser Ser Leu Leu Thr Ser Asn Ile Phe Cys Ala Asp Glu Leu Val Met
163          20          25          30
164 Ser Asn Leu His Ser Lys Glu Asn Tyr Asp Lys Tyr Ser Glu Pro Arg
165          35          40          45
166 Gly Tyr Pro Lys Gly Glu Arg Ser Leu Asn Phe Glu Glu Leu Lys Asp
167          50          55          60
168 Trp Gly Pro Lys Asn Val Ile Lys Met Ser Thr Pro Ala Val Asn Lys
169 65          70          75          80
170 Met Pro His Ser Phe Ala Asn Leu Pro Leu Arg Phe Gly Arg Asn Val
171          85          90          95
172 Gln Glu Glu Arg Ser Ala Gly Ala Thr Ala Asn Leu Pro Leu Arg Ser
173          100         105         110
174 Gly Arg Asn Met Glu Val Ser Leu Val Arg Arg Val Pro Asn Leu Pro
175          115         120         125
176 Gln Arg Phe Gly Arg Thr Thr Thr Ala Lys Ser Val Cys Arg Met Leu
177          130         135         140
178 Ser Asp Leu Cys Gln Gly Ser Met His Ser Pro Cys Ala Asn Asp Leu
179 145          150         155         160
180 Phe Tyr Ser Met Thr Cys Gln His Gln Glu Ile Gln Asn Pro Asp Gln
181          165         170         175
182 Lys Gln Ser Arg
183          180

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/549,889

DATE: 10/06/2005

TIME: 16:44:58

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10062005\J549889.raw

L:14 M:270 C: Current Application Number differs, Replaced Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:31 M:283 W: Missing Blank Line separator, <220> field identifier